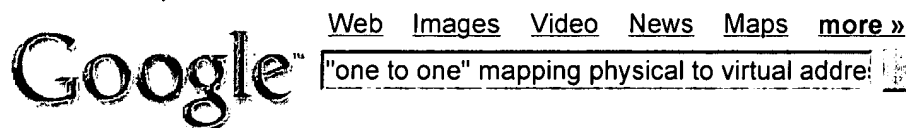


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## Patent Search Patents 1 - 10 of 15 on "one to one" mapping physical to virtual address and DMA. (0.00 second)

### Method and system for initiating and loading DMA controller registers by using user-level programs

US Pat. 5659798 - Filed Feb 2, 1996

**Mapping** of virtual memory uses as a source or destination for UDMA data ...  
as the source or destination of a **DMA** transfer by the desired **physical address** ...

### Software emulation of bank-switched memory using a virtual DOS monitor and paged memory management

US Pat. 4926322 - Filed Aug 3, 1987 - Compaq Computer Corporation

**I/O Address** for **Mapping** Registers Window 15 20 25 30 35 40 The **DMA** ... only linear  
**address** range which is not mapped linear-equal-to-**physical** (**one-to-one**) ...

### Migrating a memory page by modifying a page migration state of a state machine associated with a DMA mapper based on a state notification from an operating system kernel

US Pat. 6804729 - Filed Sep 30, 2002 - International Business Machines Corporation

This **mapping** is recorded in the **I/O virtual address to physical address** table (step 309). The **DMA I/O virtual address mapping** ...

### Method, system, and computer program product for invalidating pretranslations for dynamic memory removal

US Pat. 6918023 - Filed Sep 30, 2002 - International Business Machines Corporation

In other platforms, a **DMA mapping** goes through an **I/O page table**, which converts  
an **I/O virtual address** to a **physical memory address**. ...

### Apparatus and method for object-oriented memory system

US Pat. 6594708 - Filed Mar 26, 1998 - Sun Microsystems, Inc.

The particular **virtual address** space is to be the one which the thread calling  
... range of **physical** memory, then do the **mapping** for that smaller sub-range. ...

### Method for communicating interrupt data structure in a multi-processor computer system

US Pat. 6021456 - Filed Nov 12, 1996

The first way is a direct mapped approach, where the **physical** map-ping is performed  
on a **one to one** basis with an **address** offset. The second **mapping** is ...

### Memory management unit with programmable EDAC descriptors

US Pat. 6609181 - Filed Apr 9, 2001 - Goodrich Corporation

This **one-to-one mapping** of **virtual address** to **physical address** for each ...  
the MMU 14 will accept **virtual** addresses from the CPU, **DMA** controller and other ...

### Texture download DMA controller synching multiple independently-running rasterizers

US Pat. 6677952 - Filed Jun 9, 2000 - 3Dlabs Inc., Ltd.

(This assumes a **one to one mapping** between texels and pixels and takes ...  
This is a **virtual** Page host page or a **physical** host page as indicated by the ...

### System and method for detecting access to shared structures and for maintaining coherence of derived structures in virtualized multiprocessor systems

US Pat. 6961806 - Filed Dec 10, 2001 - VMware, Inc.

... is assumed here that there is a **one-to-one mapping** from **virtual** to **physical** cpus.

... trace activity is synchronous (with the exception of device **DMA**). ...

Asynchronous transfer mode (ATM) segmentation and reassembly unit **virtual address** translation unit architecture

US Pat. 5983332 - Filed Jul 1, 1996 - Sun Microsystems, Inc.

The **address** should not be in the ATU because it is a new **virtual-physical mapping**.

If the **address** is present then that means that the **address** was not ...

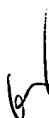
"one to one" mapping physical to virtual address

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identity-mapped address

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## Patent Search

Patents 1 - 3 of 5 on identity-mapped address. (0.00 seconds)

### Real mode translation look-aside buffer and method of operation

US Pat. 6301647 - Filed Dec 17, 1997 - VIA-Cyrix, Inc.

25 The physical **address** A(31:12) output from multiplexer 1302 is also used ...  
operation and **identity- mapped** physical addresses associated with a real mode ...

### Quick starting for microprocessor-based system by retrieving a target state memory image and a target state data structure from an image storage medium

US Pat. 6636963 - Filed Dec 30, 1999 - Cardiac Pacemakers, Inc.

This way, for any calculations that will require **identity mapped address** (same  
with and without paging, so that the linear **address** equals the physical ...

### Translation look-aside buffer for storing region configuration bits and method of operation

US Pat. 6351797 - Filed Nov 13, 1998 - VIA-Cyrix, Inc.

... operation and **identity- mapped** physical addresses associated with a real mode  
... The reference **address** A(31:12) is shown split into reference **address** ...

identity-mapped address

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DMA and "virtual pointer"

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## Patent Search

Patents 1 - 5 of 7 on DMA and "virtual pointer". (0.00 seconds)

### User scheduled direct memory access using virtual addresses

US Pat. 5301287 - Filed Feb 16, 1993 - Hewlett-Packard Company

A device as in claim 19, wherein said transferring means comprises **DMA** ...  
as a command/pointer packet including a **virtual pointer** to said associated data ...

### Method and system for simulating auto-init mode DMA data transfers

US Pat. 5875289 - Filed Jun 28, 1996 - Microsoft Corporation

A virtual read pointer Rv is associated with the **DMA** buffer. ... device driver  
to obtain the position of **virtual pointer** Rv. The application then inserts ...

### Programmably configurable host adapter integrated circuit including a RISC processor

US Pat. 5659690 - Filed Oct 15, 1992 - Adaptec, Inc.

Pointer to host adapter structure field (Table 42) is a **virtual pointer** to the host  
... **DMA** channel number field (Table 42), which is used for an ISA host ...

### Network adapter for inserting pad bytes into packet link headers based on destination service access point fields for efficient memory transfer

US Pat. 5491802 - Filed May 29, 1992 - Hewlett-Packard Company

A data path 53 represents a direct memory access (**DMA**) transfer operation from  
... This process is accomplished by simple **virtual pointer** manipulation and ...

### Insertion of network data checksums by a network adapter

US Pat. 5430842 - Filed May 29, 1992 - Hewlett-Packard Company

A processor would have to copy the bytes to an sends a **DMA** transaction from ...  
Therefore, three pie **virtual pointer** manipulation and eliminates the need ...

DMA and "virtual pointer"

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